

Converting Colors

XYZ(68.1657, 79.8783,
100.6323)

Have a look what the booklet for
XYZ(68.1657, 79.8783, 100.6323)
contains.

XYZ(68.1657, 79.8783, 100.6323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.1657, 79.8783,
100.6323)**

Conversions

Conversions Part 1

Format	Color
Hex	B8F1F8
RGB	184, 241, 248
RGB Percent	72%, 95%, 97%
CMY	0.2784, 0.0549, 0.0274
CMYK	0.26, 0.03, 0.00, 0.03
HSL	187°, 82%, 85%
HSV	187°, 26%, 97%
XYZ	68.1657, 79.8783, 100.6323
YIQ	224.7550, -36.2190, -9.9070

Conversions

Conversions Part 2

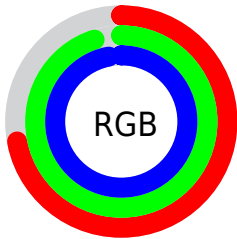
Format	Color
RYB	184, 214, 248
Decimal	12120568
CIELab	91.63, -16.37, -9.25
CIELCh	92, 18.800, 209.459
Yxy	79.8783, 0.2741, 0.3212
Android (android.graphics.Color)	4290310648 (0xFFB8F1F8)
YUV	224.7550, 11.4598, -35.7421
Hunter-Lab	89.3747, -20.2644, -4.1959

Details

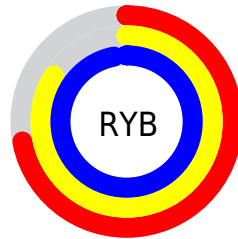
The XYZ color **68.1657, 79.8783, 100.6323** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9947, 60.6790, 53.5828**, and the grayscale version is **71.3330, 75.0479, 81.7271**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **35.9167, 43.1708, 56.3090** is the 20% darker color. If you saturate the color by 10%, you get **61.9419, 75.4892, 100.1145**, and if you desaturate by 10%, it is **75.4476, 84.8347, 101.2065**.

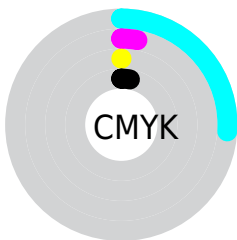
Distribution



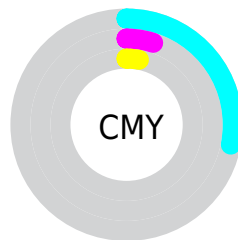
- Red (72%)
- Green (95%)
- Blue (97%)



- Red (72%)
- Yellow (84%)
- Blue (97%)



- Cyan (26%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (28%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1657, 79.8783, 100.6323 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.1657, 79.8783, 100.6323 by changing the saturation by 10% instead.

68.1657, 79.8783,
100.6323

68.1657, 79.8783,
100.6323

443.4504,
494.5226, 583.4820

50.3067, 59.6182,
76.2089

115.6298,
133.1946, 164.0853

35.8760, 43.1110,
56.0961

145.9656,
167.0196, 203.9519

24.5081, 29.9722,
39.8755

181.1910,
206.1351, 249.8034

15.8377, 19.8175,
27.1284

221.6715,
250.9254, 302.0582

9.4995, 12.2624,
17.4364

267.7723,
301.7748, 361.1350

5.1281, 6.9227,
10.3809

319.8588,

2.3581, 3.4138,

359.0680, 427.4521

5.5433

378.2964,
423.1891, 501.4283

■ 0.8242, 1.3514,
2.5052

■ 0.0000, 0.1805,
0.8429

■ 68.1657, 79.8783,
100.6323

■ 68.1657, 79.8783,
100.6323

■ 61.9419, 75.4892,
100.1145

■ 75.4476, 84.8347,
101.2065

■ 56.7146, 71.6294,
99.6450

■ 83.8310, 90.3746,
101.8340

■ 52.4269, 68.2716,
99.2228

■ 92.1021, 95.8746,
102.4596

■ 49.0131, 65.3819,
98.8450

■ 92.9469, 97.5642,
102.7412

■ 46.3989, 62.9217,
98.5079

■ 93.8038, 99.2780,
103.0269

■ 44.4976, 60.8465,
98.2076

■ 93.9435, 99.5574,
103.0734

■ 43.2018, 59.1006,
97.9389

■ 42.7705, 58.4313,
97.8324

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0615, 79.8783, 86.7245



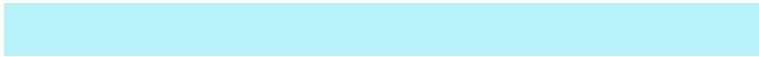
68.1657, 79.8783, 100.6323



71.3277, 79.8783, 111.7843

Triad

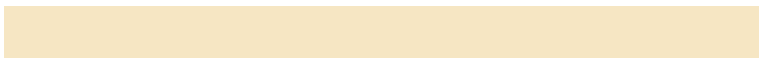
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1657, 79.8783, 100.6323



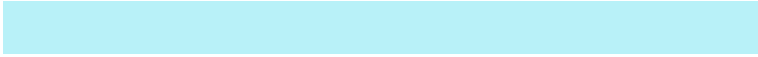
84.1519, 79.8783, 101.1095



76.0091, 79.8783, 63.1289

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.1657, 79.8783, 100.6323



65.9947, 60.6790, 53.5828

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7093, 79.8783, 66.1363



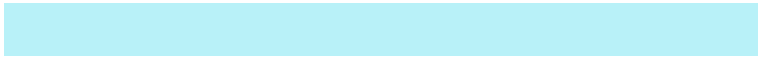
68.1657, 79.8783, 100.6323



85.5303, 79.8783, 87.2237

Square

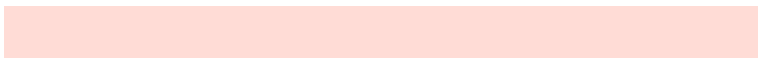
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1657, 79.8783, 100.6323



80.5522, 79.8783, 112.0796



84.2453, 79.8783, 74.6109



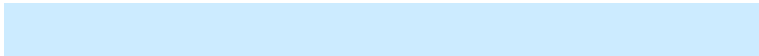
71.4726, 79.8783, 65.9286

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1657, 79.8783, 100.6323



74.2459, 79.8783, 115.6354



84.2453, 79.8783, 74.6109



77.6230, 79.8783, 63.4889

Sweetspot

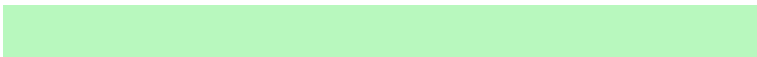
The Sweet Spot groups the original color and five complimentary colors.



68.1681, 79.8815, 100.6341



87.2316, 94.9194, 108.3314



62.6741, 81.0618, 61.2894



18.3753, 20.1221, 23.1654



0.0000, 0.0000, 0.0000



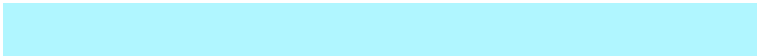
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1681, 79.8815, 100.6341



69.0079, 82.5736, 106.9089



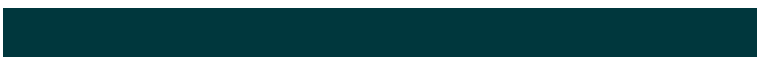
59.6599, 62.8651, 97.7981



17.5942, 19.2653, 22.1766



23.1683, 31.6922, 52.8697



2.1907, 3.0251, 4.9116

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.7309, 60.5900, 91.1373



73.4450, 58.9669, 94.9876



73.5922, 75.8740, 56.1153



17.9065, 17.4899, 21.3632



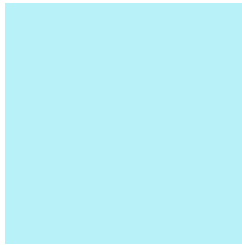
27.9863, 13.6102, 38.2319



2.6147, 1.2696, 3.6603

Previews

White Background



This preview shows how the XYZ color 68.1657, 79.8783, 100.6323 looks on a white background.

Color Contrast Check

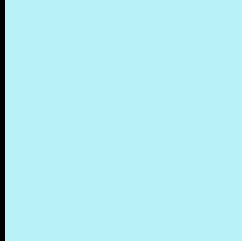
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 68.1657, 79.8783, 100.6323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1657, 79.8783, 100.6323

Background



This preview shows how black text looks on a background with the XYZ color 68.1657, 79.8783, 100.6323.

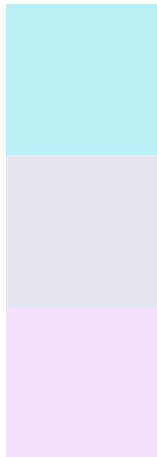


This preview shows how white text looks on a background with the XYZ color 68.1657, 79.8783,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.1657, 79.8783, 100.6323

Protanopia

76.8515, 79.3784, 94.4901

Deuteranopia

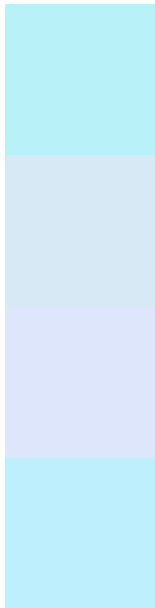
81.1885, 79.3943, 103.1410



Tritanopia

70.6169, 79.7065, 106.2707

Trichromacy



Original Color

68.1657, 79.8783, 100.6323

Protanomaly

73.1996, 79.1056, 96.9988

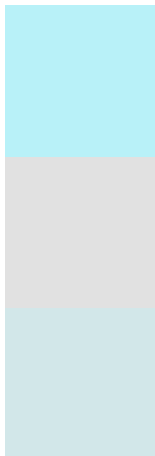
Deuteranomaly

75.8336, 79.0883, 102.5355

Tritanomaly

69.6724, 79.7084, 103.8086

Monochromacy



Original Color

68.1657, 79.8783, 100.6323

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.8622, 76.7367, 88.2203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1657, 79.8783, 100.6323 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(184, 241, 248)` looks like.

```
.text, #text, p{  
    color:rgb(184, 241, 248)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(184, 241, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 241, 248) }
```

Border

The CSS property to change the border of an element to XYZ 68.1657, 79.8783, 100.6323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 241, 248) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(184, 241, 248) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(184, 241, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 241, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 241, 248); box-shadow:4px 4px 4px 4px rgb(184, 241, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1657, 79.8783, 100.6323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 241, 248) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(184,  
241, 248) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor